

**In the Claims**

1. (Currently Amended) A computer-implemented messaging system for facilitating distributed processing by reliably handling messages communicated between a sending process and one or more receiving processes ~~for a computer system~~, comprising:

a message collector operable to receive a message from a sending process, wherein the sending process generates a that is operable to generate and send the message to be sent, the message specifying a receiving process wherein as an intended destination of the message is to be sent to, generated by the sending process; and

a local queue manager in communication with the sending and receiving process operable to:

receive the message from the message collector;

queue the message received from the message collector in a queue for communication to the receiving process that is the intended destination of the message; and

store the message in a persistent storage device in communication with the local queue manager, and adapted the persistent storage device operable to reliably store messages the message until they are the message is removed by the receiving process after the message is received by the receiving process for processing;

wherein the local queue manager stores each message received from the sending process to being stored at the persistent storage device, and wherein until the receiving process removes each removes the message from the persistent storage device after each the message is received by the receiving process for processing, storing the message at the persistent storage device until the message is removed by the receiving process after being received by the receiving process enhancing reliability that the message will be successfully communicated to the receiving process.

2. (Currently Amended) The system in Claim 1, further including comprising a message writer in communication with the local queue manager and the receiving process, ~~wherein the message writer removes each~~ operable to communicate the message to the receiving process and to remove the received message from the persistent storage device queue after sending it to the receiving process.

3. (Currently Amended) The system of Claim 1, ~~further comprising a wherein:~~  
the message communicated by the sending process comprises a first format; and  
the message collector in communication with the sending process and the local queue  
manager, wherein the message collector receives a message from the sending process, and  
formats is further operable to reformat the message received from the sending process from the  
first format into a standard format for transport to the local queue manager and storage on the  
persistent storage device.

4. (Currently Amended) The system of Claim 3, ~~further comprising:~~ comprising at  
least one process, associated with the receiving process, for converting the received message  
~~back into their original the first format~~ from the standard format to the first format.

5. (Currently Amended) A computer-implemented method for sending facilitating  
distributed processing by reliably handling messages within a computer system communicated  
between a sending process and one or more receiving processes, comprising the steps of:

receiving generating a message within from a sending process that is operable to generate  
and send the message, the message specifying a receiving process as an intended destination of  
the message generated by the sending process;

queuing the message in a queue for communication to the receiving process that is the  
intended destination of the message;

storing a copy of the message within in a persistent storage device operable to reliably  
store the message until the message is removed, the message being stored at the persistent storage  
device until the receiving process removes the message from the persistent storage device after  
the message is received by the receiving process for processing;

sending the message to a to the receiving process for processing; and

removing the stored copy after the message from the persistent storage device after the  
message has been received by the receiving process, storing the message at the persistent storage  
device until the message is removed by the receiving process after being received by the  
receiving process enhancing reliability that the message will be successfully communicated to the  
receiving process.

6. (Currently Amended) The method of Claim 5, further comprising ~~the step of:~~  
~~after storing the copy of the message on the persistent storage device, sending an~~  
~~acknowledgment thereof to the sending process~~ communicating the message to a message writer  
prior to communication of the message to the receiving process, the message writer operable to  
communicate the message to the receiving process and to remove the message from the queue  
after sending the message to the receiving process.

7. (Currently Amended) The method of Claim 5, ~~further comprising the steps of~~  
~~wherein:~~

the message communicated by the sending process comprises a first format; and

the method further comprises converting formatting the message received from the  
sending process from an original the first message format to a standard format prior to storing a  
copy onto the persistent storage device, wherein the stored copy is in the standard format for  
storage on the persistent storage device; and

~~converting the message from the standard format into the original format just before~~  
~~providing it to the receiving process.~~

8. (New) The system of Claim 1, wherein the message comprises one or more of:  
a remote database access query;  
a status request; and  
a notification of an event occurring within the sending process.

9. (New) The system of Claim 1, wherein the message collector comprises an object  
operable to be invoked by the sending process in order to handle the message sent by the sending  
process.

10. (New) The system of Claim 1, wherein:

the local queue manager is operable to communicate a first success message to the message collector indicating that the message was successfully received by the local queue manager; and

the message collector is operable to, in response to receiving the first success message from the local queue manager, communicate a second success message to the sending process indicating that the message was successfully received by the local queue manager and allowing the sending process to assume that the message will be reliably delivered to the receiving process.

11. (New) The system of Claim 1, wherein the local queue manager is further operable to:

retrieve, if communication of the message to the receiving process fails, the message from the persistent storage device; and

resend the message to the receiving process without requiring the sending process to regenerate the message.

12. (New) The method of Claim 7, further comprising converting the message from the standard format to the first format prior to receipt of the message by the receiving process.

13. (New) The method of Claim 5, wherein the message comprises one or more of:

a remote database access query;

a status request; and

a notification of an event occurring within the sending process.

14. (New) The method of Claim 5, comprising invoking an object for handling the message sent by the sending process.

15. (New) The method of Claim 5, further comprising:  
communicating a first success message to the message collector indicating that the message was successfully received by the local queue manager; and

in response to the first success message, communicating a second success message to the sending process indicating that the message was successfully received by the local queue manager and allowing the sending process to assume that the message will be reliably delivered to the receiving process.

16. (New) The method of Claim 5, further comprising:  
retrieving, if communication of the message to the receiving process fails, the message from the persistent storage device; and

resending the message to the receiving process without requiring the sending process to regenerate the message.

17. (New) Software for facilitating distributed processing by reliably handling messages communicated between a sending process and one or more receiving processes, the software being embodied in computer-readable media and when executed operable to:

receive a message from a sending process that is operable to generate and send the message, the message specifying a receiving process as an intended destination of the message generated by the sending process;

queue the message in a queue for communication to the receiving process that is the intended destination of the message;

store the message in a persistent storage device operable to reliably store the message until the message is removed, the message being stored at the persistent storage device until the receiving process removes the message from the persistent storage device after the message is received by the receiving process for processing;

send the message to the receiving process for processing; and

remove the message from the persistent storage device after the message has been received by the receiving process, storing the message at the persistent storage device until the message is removed by the receiving process after being received by the receiving process enhancing reliability that the message will be successfully communicated to the receiving process.

18. (New) The software of Claim 17, further operable to communicate the message to a message writer prior to communication of the message to the receiving process, the message writer operable to communicate the message to the receiving process and remove the message from the queue after sending the message to the receiving process.

19. (New) The software of Claim 17, wherein:  
the message communicated by the sending process comprises a first format; and  
the software is further operable to format the message received from the sending process from the first format to a standard format for storage on the persistent storage device.

20. (New) The software of Claim 19, further operable to convert the message from the standard format to the first format prior to receipt of the message by the receiving process.

21. (New) A computer-implemented messaging system for facilitating distributed processing by reliably handling messages communicated between a sending process and one or more receiving processes, comprising:

means for receiving a message from a sending process that is operable to generate and send the message, the message specifying a receiving process as an intended destination of the message generated by the sending process;

means for queuing the message in a queue for communication to the receiving process that is the intended destination of the message;

means for storing the message in a persistent storage device operable to reliably store the message until the message is removed, the message being stored at the persistent storage device until the receiving process removes the message from the persistent storage device after the message is received by the receiving process for processing;

means for sending the message to the receiving process for processing; and

means for removing the message from the persistent storage device after the message has been received by the receiving process, storing the message at the persistent storage device until the message is removed by the receiving process after being received by the receiving process enhancing reliability that the message will be successfully communicated to the receiving process.